

# PATENT COOPERATION TREATY

PVF

From the:  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

WATERMARK PATENT & TRADEMARK  
ATTORNEYS  
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**PCT**

NOTIFICATION OF TRANSMITTAL OF  
INTERNATIONAL PRELIMINARY  
REPORT ON PATENTABILITY  
(Chapter II of the Patent Cooperation Treaty)

(PCT Rule 71.1)

Date of mailing  
(day/month/year)

21 DEC 2005

Applicant's or agent's file reference  
P23460PCAU

**IMPORTANT NOTIFICATION**

International application No.  
PCT/AU2005/000009

International filing date (day/month/year)  
7 January 2005

Priority date (day/month/year)  
9 January 2004

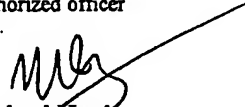
Applicant

PLAMONDON, JamesLee

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translations to those Offices.
4. **REMINDER**  
  
The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).  
  
Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.  
  
For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the *PCT Applicant's Guide*.  
  
The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed invention is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

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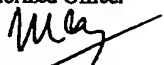
WATERMARK  
MELBOURNE

REC'D 21 DEC 2005

**PATENT COOPERATION TREATY**  
**PCT**  
**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**  
(Chapter II of the Patent Cooperation Treaty)  
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P23460PCAU	<b>FOR FURTHER ACTION</b>	See Form PCT/IPEA/416
International application No. PCT/AU2005/000009	International filing date ( <i>day/month/year</i> ) 7 January 2005	Priority date ( <i>day/month/year</i> ) 9 January 2004
International Patent Classification (IPC) or national classification and IPC  <div style="display: flex; justify-content: space-around;"> <span>Int. Cl.</span> <span><i>G10H 1/34</i> (2006.01)</span> <span><i>G10C 3/12</i> (2006.01)</span> </div>		
Applicant PLAMONDON, JamesLee		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 2. This REPORT consists of a total of 3 sheets, including this cover sheet. 3. This report is also accompanied by ANNEXES, comprising:	
a.	<input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of 3 sheets, as follows:  <div style="margin-left: 20px;"> <input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).   <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. </div>
b.	<input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or table related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).
4. This report contains indications relating to the following items:	
<input checked="" type="checkbox"/>	Box No. I      Basis of the report
<input type="checkbox"/>	Box No. II      Priority
<input type="checkbox"/>	Box No. III      Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV      Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V      Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI      Certain documents cited
<input type="checkbox"/>	Box No. VII      Certain defects in the international application
<input type="checkbox"/>	Box No. VIII      Certain observations on the international application

Date of submission of the demand 29 July 2005	Date of completion of this report 14 December 2005
Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized Officer  <b>Michael Hardy</b> Telephone No. (02) 6283 2547

**Box No. I Basis of the report**

## 1. With regard to the language, this report is based on:

- ☒ The international application in the language in which it was filed
- ☐ A translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3(a) and 23.1 (b))
- ☐ publication of the international application (under Rule 12.4(a))
- ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1 to 17 as originally filed/furnished
- pages\* received by this Authority on \_\_\_\_\_ with the letter of
- pages\* received by this Authority on \_\_\_\_\_ with the letter of
- ☒ the claims:
- pages as originally filed/furnished
- pages\* as amended (together with any statement) under Article 19
- pages\* 18 received by this Authority on 8 December 2005
- pages\* 19 to 20 received by this Authority on 29 July 2005
- ☒ the drawings:
- pages 1/9 to 9/9 as originally filed/furnished
- pages\* received by this Authority on \_\_\_\_\_ with the letter of
- pages\* received by this Authority on \_\_\_\_\_ with the letter of

☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to the sequence listing (*specify*):

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to the sequence listing (*specify*):

\* If item 4 applies, some or all of those sheets may be marked "superseded."

**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Claims 1 to 16	YES
	Claims	NO
Inventive step (IS)	Claims 1 to 16	YES
	Claims	NO
Industrial applicability (IA)	Claims 1 to 16	YES
	Claims	NO

**2. Citations and explanations (Rule 70.7)**

- D1: US-5922985-A (TANIWAKI) 13 July 1999  
D2: US-6274800-B1 (GARDNER) 14 August 2001  
D3: US-5841052-A (STANTON) 24 November 1998  
D4: US-4998457-A (SUZUKI et al.) 12 March 1991  
D5: US-4304161-A (FRANZMANN) 8 December 1981

D1 discloses a woodwind styled electronic musical instrument which includes (inter alia) finger actuated note identifier input devices (10) and thumb actuated effect identifier input devices (17, 18, 19). Input device 17 includes four switches (17-2, 17-3, 17-4 and 17-5) for selecting octave shifts for the instrument (one or two octaves up and one or two octaves down). Switches 18 and 19 are used to hold (sustain) a note and to change timbre (MIDI program) respectively. The button group 17 allows five different levels to be selected (+2, +1 0, -1, -2 octaves) and is therefore "multi-variate". D1 does not teach a "button-field electronic music controller" as the term "button-field" has been defined on page 6. Claims 1 to 7 are therefore novel over D1. D1 does not teach an arrangement enabling simultaneous operation of finger actuated note identifier input devices and thumb actuated effect identifier input devices for both the left and right hands. Claims 8 to 16 are therefore novel over D1.

D2 discloses a convertible musical instrument which includes a hinge between first and second portions. D2 does not disclose a finger actuated note identifier input device and a thumb actuated effect input device arranged for simultaneous operation. D2 is cited as background art only.

D3 discloses a finger playable percussion trigger instrument having first and second playing zones for the left and right hands. D3 does not disclose a finger actuated note identifier input device and a thumb actuated effect input device arranged for simultaneous operation. D3 is cited as background art only.

D4 discloses a handheld musical tone controller including pressure sensitive push switches located to correspond with a users fingers and thumbs. D4 does not disclose a finger actuated note identifier input device and a thumb actuated effect input device arranged for simultaneous operation. D4 is cited as background art only.

D5 discloses an electronic musical instrument controller wherein note identifier input devices are actuated by the fingers, and thumb actuated controllers are disposed for simultaneous use. D5 is a desk top device not suitable for portable use. D5 is therefore cited as background art only.